

# DART SERVICE INSTRUCTION

**TO AMEND INSTALLATION INSTRUCTIONS IIN-D350-636 REV. J  
AND INSTRUCTIONS FOR CONTINUING AIRWORTHINESS ICA-D350-636 REV. 3  
REF. FAA STC: SR00646SE  
REF. CANADIAN STC: SH99-7  
REF. EASA STC: 10033942**

## 1.0 PURPOSE:

The purpose of this service instruction is to introduce the D350-636-111 Wearplate Kit. The D350-636-111 Wearplate Kit replaces elements of the D350-636-011/-012/-013/-014 Skidtubes and elements of the D350-636-041/-043/-045 Wearshoe Kit and is designed to improve grip on low friction surfaces such as ice. The components in the D350-636-111 Wearplate Kit are defined in the parts list in Section 2.0.

## 2.0 PARTS LIST

## PRELIMINARY ISSUE

ITEM	QTY -111	Part Number	Description
	X	D350-636-111	WEARPLATE KIT
1	4	D4923-041	WEARPLATE ASSY
2	2	D4933-041	WEARPLATE ASSY
3	2	D4934-041	BLADE ASSY
4	24	AN3C5A	BOLT
5	24	AN960C10L	WASHER

## 3.0 WEIGHT AND BALANCE

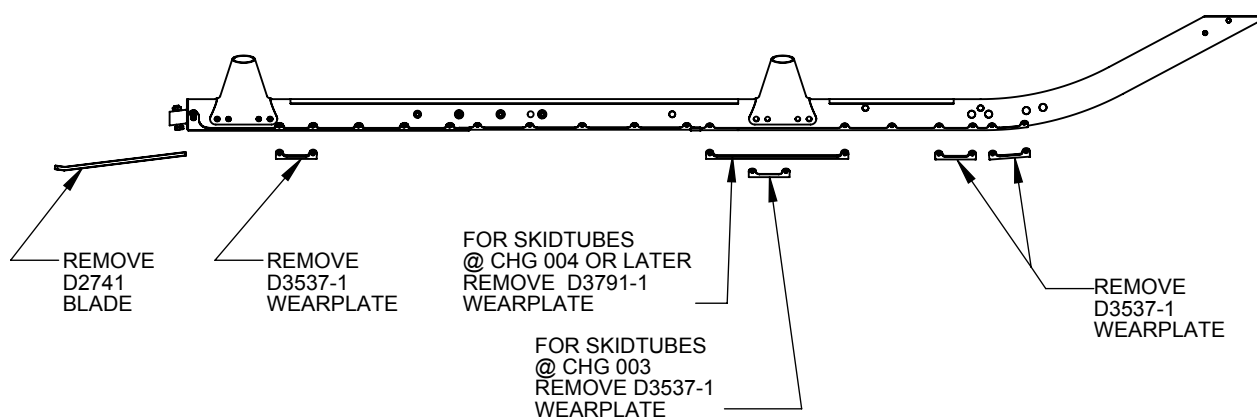
The following is the net weight increases associated with the D350-636-111 Kit

Installation	Weight	LONGITUDINAL		LATERAL (STD GEAR)		LATERAL (HIGH GEAR)	
		Arm	Moment	Arm	Moment	Arm	Moment
D350-636-111 WEARPLATE KIT	3.82 lb 1.74 kg	132.1 in 3.4 m	504.6 in-lb 5.9 m-kG	0	0	0	0

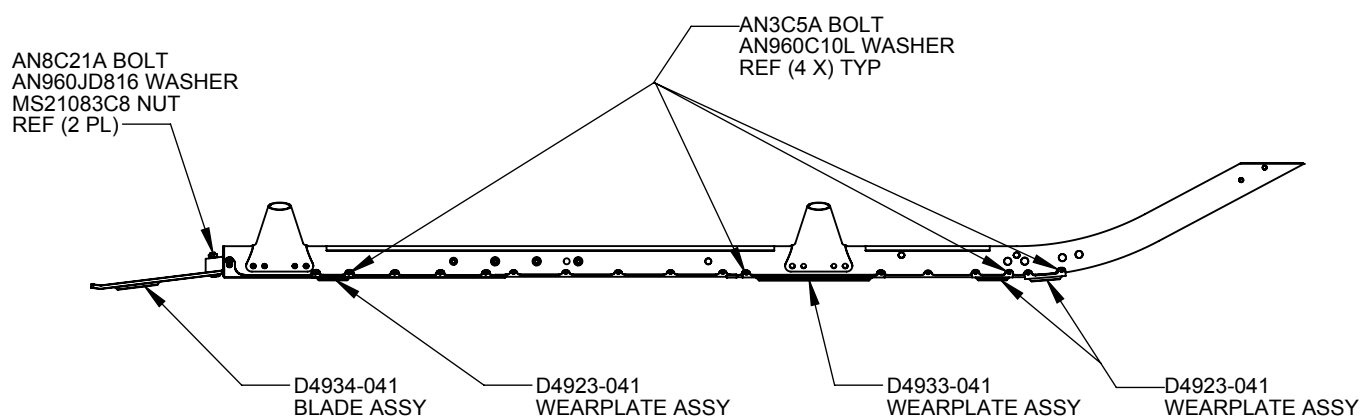
## 4.0 INSTALLATION OF D350-636-111 WEARPLATE KIT

- Refer to Figure 1 on sheet 2 of this Service Instruction. Remove and retain the components indicated per ICA-D350-636, Sections 32.3 and 32.4. Ensure the AN8 fasteners are serviceable.
- Refer to Figure 2 on sheet 2 of this service instruction. Install the D4934-041 Blade Assy. Torque the AN8C21A bolts to 480-690 in-lbs (54.2-78.0 N-m).
- Refer to Figure 2 on sheet 2. Install the D4923-041 Wearplate Assy and the D4933-041 Wearplate Assy as shown. Torque the AN3C5A bolts to 15-25 in-lbs (1.7-2.8 N-m).
- Repeat this procedure for the other Skidtube.
- Adjust Weight and Balance per Section 3.0 of this Service Instruction.

DESIGN	DB	<b>DART AEROSPACE USA, INC.</b> KENT, WA	
DRAWN	DB		
CHECKED	ASS	DRAWING NO.	REV. A
MFG. APPR.	N/A	WEARPLATE INSTALLATION	SHEET 1 OF 2
APPROVED	MP	TITLE	SCALE
DE APPR.		DSI 9662	NTS
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**FIGURE 1: BLADE/WEARPLATE REMOVAL**



**FIGURE 2: D350-636-111 WEARPLATE INSTALLATION**

NOTE: THE 2 x D4923-041 WEARPLATES CAN BE INSTALLED IN ANY 2 OF THE 3 LOCATIONS INDICATED IN FIGURE 2 ABOVE. A PARTIAL INSTALL OF THE COMPONENTS PROVIDED IN THE D350-636-111 KIT IS ACCEPTABLE AS LONG AS THE INSTALLATION IS THE SAME ON BOTH SKIDTUBES.

**PRELIMINARY ISSUE**

DESIGN	DB	<b>DART AEROSPACE USA, INC.</b> KENT, WA	
DRAWN	DB		
CHECKED	ASS	DRAWING NO.	REV. A
MFG. APPR.	N/A	WEARPLATE INSTALLATION	SHEET 2 OF 2
APPROVED	MP	TITLE	SCALE
DE APPR.		DSI 9662	NTS
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